

STATINTL

a. Problems that arise continuously for which programs are desired:


- (1) General solution for determining differential heights from measurements taken with a stereo-comparator.
- (2) Program for determining tilt and swing of photography taken with a particular configuration, utilizing horizon exposures. Modes 1, 3, & 4.
- (3) Rectification program for [] rectifier. If started before rectifier is delivered to using agent, then liaison between [] must be established for functional details of rectifier.
- (4) Rectification program for electronic rectifier. Programs for other than cylindrical projections will probably be desired.
- (5) Least square adjustment of lines in space and their intersection. Number of points, lines, and intersections to be specified.
- (6) Differential height determination from measurement of shadows. General solution. Analysis of limits and transition point for Z-scale solution.
- (7) Shadow factor for each mission, i.e., compute tangent altitude of sun for specified changes in time and position.

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b. Problems that arise occasionally for which programs are desired:

- (1) Control extension for a particular configuration through five vertical exposures, i.e., five repetitions of mode. (Modes 1, 2, 3, 4).

(2) Control extension of standard photographic flight
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- (3) Terrestrial Photography, general solution for one and more stations. For two or more stations, adjustment is required.
- (4) All solutions of spherical triangle, i.e., given any three values.
- (5) Camera calibration
- (6) Transformations from image plane to final perspective rendition via plotter.